

Appl. No. : 09/514,999
Filed : February 29, 2000

subjecting said yeast somatic components to nuclease digestion or alkali hydrolysis as a decomposition step for 0.1-24 hours to increase the yield of polyamines recovered in a subsequent recovery step by approximately two times or more as compared with the yield of polyamines recovered in the subsequent recovery step without this decomposition step, said nuclease digestion being conducted by treating the yeast somatic components with nuclease at a pH of 3-10 and at a temperature of 10-70°C, said alkali hydrolysis being conducted by treating the yeast somatic components at normality of 0.1-5N and at a temperature of 20-100°C; and
recovering polyamines from said decomposed components.

Please add the following claim:

10. (New) A method of obtaining polyamines, comprising the steps of:

providing yeast somatic components selected from the group consisting of extracts obtained from yeast by physical crushing, extracts obtained from yeast by autolysis, extracts obtained from yeast with hot water, and yeast RNA compositions;

subjecting said yeast somatic components to nuclease digestion or alkali hydrolysis as a decomposition step for at least a time period effective to increase the yield of polyamines recovered in a subsequent recovery step by approximately 2-3.2 times as compared with the yield of polyamines recovered in the subsequent recovery step without this decomposition step; and

recovering polyamines from said decomposed components.

REMARKS

Claim 9 had been amended to clarify the invention. Support for the amendments can be found in the limitations of Claims 4 and 5 and page 5, lines 5-20, for example. Claim 10 has been added. Support for the recitation "3.2" can be found in Example 3 on page 10, for example. Claims 4 and 5 have been amended to depend on Claim 10. Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE." The amendments do not constitute the addition of any new matter to the specification. Applicant respectfully requests entry of the amendments and reconsideration of the application in view of the amendments and the following remarks.

Rejection Under 35 U.S.C. § 112, first paragraph